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Virginia Port Authority 600 World Trade Center Norfolk, Virginia 23510-1679 Telephone (757) 683-8000 Fax (757) 683-8500

December 8, 2009

Jerry A. Bridges
Executive Director

Charles M. Badger, Director Virginia Department of Rail and Public Transportation 1313 East Main Street, Suite 300 Richmond, VA 23219

RE: Rail Enhancement Funding Application
Newport News Warehouse D Rail Addition and Modification

Dear Charles,



Please accept the enclosed Rail Enhancement Funding application package submitted on behalf of the Virginia Port Authority (VPA). The application requests \$2,450,000 in REF funding assistance for engineering design, and construction services for the construction of the Newport News Warehouse D Rail Addition and Modification Project.

The Newport News Warehouse D Rail Addition and Modification project will enable NNMT to expand its train movement capacity, increase operating efficiency, reduce roadway congestion and stimulate the economy by bringing in additional break-bulk cargo to this facility. The project will construct a dual rail siding capable of handling 12 workable cars at a time.

Current NNMT rail operations result in an average of 1,300 railcars per year being handled with a majority of them generated by one customer. If the rail addition and modification is completed adjacent to Warehouse D, the number of railcars is expected to more than double its current annual volume resulting in the movement of 3,000 rail cars per year through the terminal by the year 2013. In addition to expanding the rail capacity of NNMT, the increased rail operation has the potential to create 15-20 additional jobs by 2013, and will also reduce roadway congestion by shifting approximately 9,500 tractor trailers of cargo per year to rail.

The VPA, through revenue generated from Virginia International Terminals (VIT) terminal operations (as opposed to Commonwealth Port Funds provided by the Commonwealth of Virginia), will provide a 31% match for this project by funding up to \$1,100,000 in design/construction costs through terminal revenue funds from Virginia International Terminals (VIT) operations. We plan to award design by March 2010, and be completed with construction in 2011.

Please let us know if you need any additional information, and if a briefing would facilitate a better understanding of the Newport News Warehouse D Rail Addition and Modification, and the importance of this funding application.

Sincerely,

Kevin P. Abt, P.E. Chief Engineer

Virginia Port Authority

enclosures



### Rail Enhancement Fund Project Application Form

Internal Use	
DRPT Tracking #	

Date: 12/8/2009 A. Name of Applicant (Name and Address) Virginia Port Authority 600 World Trade Center Norfolk, VA 23510 Applicant type: Passenger Railroad Freight Railroad Locality **Business** X Other (Regional Agency) **B.** Contact Information: Responsible Person/Title: <u>Jeff Florin / Deputy Director, Operations, COO</u> Telephone: 757-683-2150 Fax: 757-683-2151 Email: jflorin@portofvirginia.com Project Manager/Title: Kevin Abt / Chief Engineer Telephone: 757-683-2139 Fax: 757-683-2151 Email: kabt@portofvirginia.com C. Project Title: Newport News Warehouse D Rail Addition and Modification D. Project Location: (City/County, Rail line, Railroad Mile Post, attach map) Newport News Marine Terminal 25<sup>th</sup> Street & Warwick Blvd, Newport News Virginia, 23607

### Newport News Warehouse D Rail Addition and Modification



- E. Owner of Property/Right-of-Way/Facility/Personal Property: Virginia Port Authority
- F. Responsible Party for Continuous Maintenance of Project: Virginia Port Authority
- G. Project Information:

### 1) Description of Project:

The project involves the installation of new rail track and the relocation/upgrade of a portion of existing track on Newport News Marine Terminal's property between Warehouse A and Warehouse D, as well as some modifications to Warehouse D. This proposed project area can be seen in Figure 1 on the following page. The existing track allows port cargo to be loaded and offloaded at Pier B on NNMT. The proposed addition and upgrade will continue to allow cargo to be handled at Pier B while adding the ability for new cargo to be worked simultaneously at Warehouse D.

The proposed project will be completed in two phases and include the temporary relocation of the Pier B lead track north of its current location so existing cargo movement and handling will not be impeded by the construction of the new storage tracks. The second phase will consist of installation of the two (2) new tracks adjacent to Warehouse D, adjustments to the Pier B lead track and modifications to Warehouse D. Given the topography at NNMT and the existing warehouse floor elevation, the grade and drainage system north of the warehouse must be lowered prior to the installation of the two, new tracks, and the two tracks will provide a workable siding to allow cargo movement between the warehouse and the rail. The siding will provide storage for 6 box cars per track, enabling a minimum of 12 box cars to be worked per day.

### 2) Project Objective:

Rail volume over the last five years has increased at an average annual rate of 14.8% and remains the fastest growing sector of the Port's growth. In addition, opportunities to increase break-bulk cargo by rail transport exist. The Newport News Marine Terminal is the Port of Virginia's largest break-bulk cargo terminal; however, the current configuration limits the Port's ability to capitalize on CSX's main rail line located just east of the terminal.

### Newport News Warehouse D Rail Addition and Modification

The Newport News Warehouse D Rail Addition and Modification project will enable NNMT to expand its train movement capacity, increase operating efficiency, reduce roadway congestion and stimulate the economy by bringing in additional break-bulk cargo to this facility and enabling it to be shipped out by rail in lieu of by truck. The project will construct a dual rail siding to enable the handling 12 workable cars at a time.

Current NNMT rail operations result in an average of 1,300 railcars per year being handled with a majority of them generated by one customer. If the NNMT rail addition and modification is completed adjacent to Warehouse D, the number of railcars is expected to more than double its current annual volume resulting in the movement of 3,000 rail cars per year through the terminal by the year 2013.

In addition to expanding the rail capacity of NNMT per year, the increased rail operation has the potential to create 15-20 additional jobs by 2013, and will also reduce roadway congestion by shifting over 9,500 tractor trailers of cargo per year to rail.

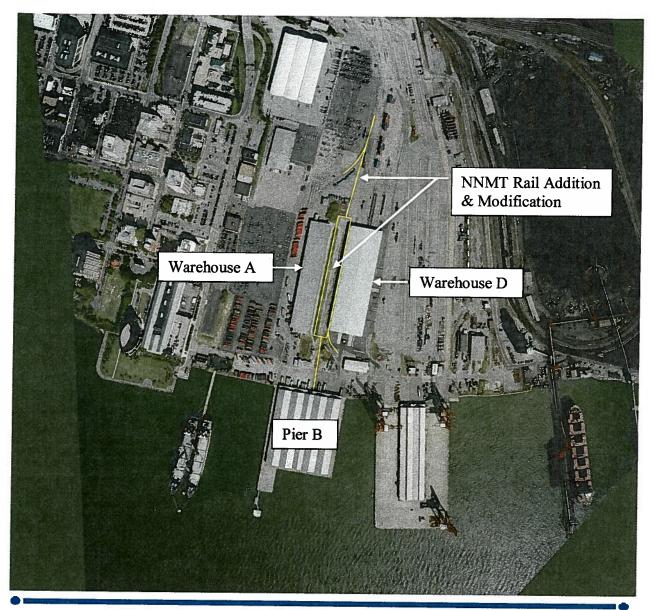


Figure 1: NNMT Project Location

### 3) Relationship to Other Projects under Development by Applicant or Previously Funded by this Program:

#### NNMT Warehouse D.

This project included the design and construction of a one story, 200,000 +/- square foot warehouse for the storage of breakbulk materials and was completed in 2008. The design was based on the expectations that this facility would be used as a transshipment location for various goods. The construction cost of the warehouse was \$8.9 million and was fully-funded by the VPA.

4) Describe the Public Benefit of Project. Identify significant types of benefits and beneficiaries from this project. (See Attachment A)

The benefits of the Newport News Warehouse D Rail Addition and Modification project include:

- a. Enhancing Port effectiveness and competitiveness through improvements to existing infrastructure.
- b. Increased rail use over truck hauling
- c. Increased tonnage of cargo handled at NNMT.

The project also supports the following Virginia State Rail Plan Goals:

- a. Promote safety and security by reducing truck traffic on highways.
- b. Improve system capacity, reliability and speed by facilitating increased cargo throughput via rail and mitigating highway congestion.
- c. Improve Virginia's economic competitiveness and quality of life by reducing congestion on roads, and reducing air pollution.
- d. Support Virginia DRPT Public-Private Partnership efforts and program delivery by ensuring the project provides excellent return on investments in terms of air quality improvement and reduced highway congestion.
- 5) Attachment A Project Data Information Form Must be completed by Applicant and submitted with this application.

### Newport News Warehouse D Rail Addition and Modification

H	. Т	ype	of	Pro	ject:
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	1)	X New Construction X Reha	bilitation Study	
	2)	_X_ Rail Infrastructure Equipment/Rolling Stock	Rail Facility/Station Signals/Communicatio	n Equipment
	3)	Other	_	
<b>I. A</b>	pplication	on Scope of Work Covers:		
	X Ent	ire Project A Phase of a M	ulti-Phase Project	Completion Phase
J. P	roject B	udget Summary:		
	Prelin	ninary Service, Engineering, or Feasibility Study	\$ <u>N/A</u>	
		onmental Evaluation n Engineering	<u>N/A</u>	
	_	of Way Acquisition	250,000 N/A	
		ruction	3,200,000	
	Const	ruction Management	100,000	
		Acquisition of Equipment	N/A	
		Involvement (if applicable)	N/A	
	Subtot	al Project Budget	\$ <u>3,550,000</u>	
	Total I	Project Budget	\$ <u>3,550,0</u> 00	

- K. Attach detailed budget and schedule information. If the project is for final design, construction or procurement; then plans, specifications and reports to a preliminary engineering level (approximately 30%) should be provided to support the project cost and major features (if applicable). A sample budget and schedule is included in Appendix D.
- L. Rail Enhancement Funds Requested in this Application: \$2,450,000

  Maximum 70% of Total Project Budget. Do not include any previous allocations or future phases.

M. Local Match Required by Applicant: \$1,100,000
At least a minimum 30% of Total Project Budget
If Overmatch, Provide Percentage
1) Match Breakdown by Source (Including any in-kind match)
a. Provider of Local Match Virginia International Terminals
b. Status (confirmed/anticipated)Confirmed
c. Attach justification for value of in-kind match.
2) Other Funding Sources Beyond Match Requirement
a. Provider of Overmatch
b. Status (confirmed/anticipated)
N. Project implementation schedule (based in months). List major milestones of the project, including environmental review and public involvement points if applicable.
Design will begin in March 2010. Construction of the project will commence in 2010 and will take approximately 12 months to complete.
O. Statement of how this project promotes or does not preclude dual/multi-access use.
This rail is owned and operated by the Virginia Port Authority and therefore does not preclude dual/muti-access use.
P. List additional users of rail line, facility, and/or equipment.
CSX Corporation
Q. Identify any possible environmental or other issues/concerns within the scope of this project.
There will be no permanent negative impacts on air or water quality, and the project will not consume any significant areas of land, water, or animal habitat.

Date: 12 - 8 - 09

### Rail Enhancement Fund Project Application Form

### Newport News Warehouse D Rail Addition and Modification

#### **Required Attachments:**

Application is not complete without items 1-6 completed by the Applicant and submitted with the Application. Items 1-4 can be found on the DRPT website:

http://www.drpt.virginia.gov/projects/ref.aspx

- 1. Attachment A Project Data Information Form (Provided)
- 2. Attachment B Application Checklist (Provided)
- 3. Data Request Form (Provided electronically in Excel)
- 4. Detailed cost, budget and schedule. Include preliminary engineering to 30% report, if applicable (Sample in Appendix D)
- 5. Certification of Match/% of Match/Documentation of Source of Match Including Defined Match Source (To be provided by Applicant)
- 6. Certification of Additive Investment (To be provided by Applicant)
- 7. Statement from the Applicant/Owner of the facility that the SWAM participation goals will be achieved by the project.
- 8. Statement from the owner of the facility that acknowledges the Commonwealth will have a public interest in the facilities, materials, equipment and improvements funded or impacted by this project (To be provided by Applicant/Owner)

### **Application and Attachment Certification**

To the best of my knowledge all information contained in this application and its attachments is true. The information provided to the Virginia Department of Rail and Public Transportation (DRPT) is subject to full disclosure except where protected by Virginia Code. Any additional documentation related to this application will be provided to DRPT upon request.

**Authorized Signature and Title:** 

Kevin P. Abt, P.E. Chief Engineer

Virginia Port Authority

### Newport News Warehouse D Rail Addition and Modification



## Rail Enhancement Fund Project Application Completed Application Submission Information

One signed original, twelve copies, and an electronic copy in pdf format of the completed application and required documentation must be mailed under applicant cover to:

Director Virginia Department of Rail and Public Transportation 600 East Main Street, Suite 2102 Richmond, VA 23219

## Rail Enhancement Fund Project Application Form Newport News Warehouse D Rail Addition and Modification



### Rail Enhancement Fund Project Application

Internal Use	
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### Attachment A Project Data Information Form

Date: 12/8/2009

#### Name of Applicant and Project

Virginia Port Authority - Newport News Warehouse D Rail Addition and Modification

General Instructions: Please complete the following forms that apply to the project application.

- For Freight Service projects, complete forms A1, A2 and A5
- For Intercity/Amtrak passenger projects, complete forms A1, A3 and A5
- For Commuter/VRE passenger projects, complete forms A1, A4 and A5
- For projects that involve benefits to both freight and passenger projects, form A1 and forms A2-A4 that apply must be completed. For each completed form A2-A4, a form A5 must be completed for each category for projects resulting in multiple project benefits.

#### Terms:

**Project Cost and Construction Period:** Form A1 shall be completed with total project cost by year of expenditure with total DRPT cost identified by year of expenditure. This section must be completed for all project applications.

**Demand Characteristics:** This category of information relates to the additional demand for rail service (including freight and passenger) due to the project. This additional demand must be over and above baseline conditions that currently exist. The specific data to enter here defines initial demand, steady state demand, and the years until steady state demand is achieved.

Steady State Demand: This term refers to the point at which the project benefits/demand have reached a long-term, sustainable level.

**Project Impact on Travel Distance:** This category of information includes the distance that would be traveled by vehicle or train. All distances should be limited to miles within Virginia. The distance should relate directly to the project-impacted area.

Demand Characteristics for a 15-year Performance Period: This term refers to the project output by performance year, which will be utilized to determine the public benefits and to determine the performance requirements over the 15-year Performance Period of the Grant Agreement.

## Attachment A Form A1 – Project Cost and Construction Period

Year	Total Project COST	Total DRPT COST
2010 2011	\$ 2,560,000 \$ 990,000	\$1,900,000 \$550,000
Total	\$ 3,550,000	\$2,450,000

**Notes:** 

Use Form A-5 to provide demand characteristics for the 15-Year Performance Period.

### Newport News Warehouse D Rail Addition and Modification

## Attachment A Form A2 – Freight Service

- 5			
S	CATEGORY	UNITS	VALUE
Demand Characteristics	Steady state demand — diversion of freight to rail (from trucks)	Tons/Year	210,000
and Cha	First year of diversion	Tons/Year	91,000
Demi	Number of years until steady state	Number of Years	3
	CATEGORY	UNITS	VALUE
pact on stance	Rail miles in Virginia (Existing routing before project)	Miles	No Change
Project Impact on Travel Distance	Rail miles in Virginia (routing after project completion)	Miles	No Change
Pr	Number of years until steady state	Number of Years	Not Applicable
	CATEGORY	UNITS	VALUE
ions	Railcars per Train	Railcars/Trains	12
Conversions	Rail tons per Railcar	Tons/Railcar	70
	Trucks per Railcar	Trucks/Railcar	3.18
	CATEGORY	T D	
Other	CATEGORY	UNITS	VALUE
	Change in Daily Delay for Freight Trains	Railcars/Trains	Not Applicable
	Reduction in Number of Rail At-Grade Crossings	Tons/Railcar	Not Applicable

### Newport News Warehouse D Rail Addition and Modification

Use Form A-5 to provide demand characteristics for the 15-Year Performance Period.

## Attachment A Form A3 – Passenger Service – Intercity/Amtrak

	CATEGORY	UNITS	VALUE
ristics	Annual Amtrak Passengers (Existing)	Passengers/Year	Not Applicable
Characteristics	Steady State Demand  – Additional Amtrak Passengers	Passengers/Year	Not Applicable
Demand	First Year Number of Additional Passengers	Passengers/Year	Not Applicable
	Number of Years Until Steady State	Number of Years	Not Applicable

	CATEGORY	UNITS	VALUE
on Travel Time	Amtrak Passenger Trip Length (Existing)	Miles	Not Applicable
	Amtrak Passenger Trip Length (After Project Completion)	Miles	Not Applicable
Project Impact Distance &	Amtrak Travel Time Per Trip (Existing)	Minutes	Not Applicable
<b>d</b>	Amtrak Travel Time Per Trip (After Project Completion)	Minutes	Not Applicable

Use Form A-5 to provide demand characteristics for the 15-Year Performance Period.

### Newport News Warehouse D Rail Addition and Modification

## Attachment A Form A4 – Passenger Service – Commuter/VRE

Demand Characteristics	CATEGORY	UNITS	VALUE
	Annual VRE Passengers (Existing)	Passengers/Year	Not Applicable
	Steady State Demand Additional VRE Passengers	Passengers/Year	Not Applicable
	First Year Number of Additional Passengers	Passengers/Year	Not Applicable
	Number of Years Until Steady State	Number of Years	Not Applicable

	CATEGORY	UNITS	VALUE
Travel	VRE Passenger Trip Length (Existing)	Miles	Not Applicable
on Ti	VRE Passenger Trip Length (After Project Completion)	Miles	Not Applicable
Project Impact Distance &	VRE Travel Time Per Trip (Existing)	Minutes	Not Applicable
Д	VRE Travel Time Per Trip (After Project Completion)	Minutes	Not Applicable

Use Form A-5 to provide demand characteristics for the 15-Year Performance Period.

Attachment A
Form A5 – Demand Characteristics for 15-Year Performance Period

Г	
Performance Year	Performance Value*
1	1,300
2	1,500
3	3,000
4	3,000
5	3,000
6	3,000
7	3,000
8	3,000
9	3,000
10	3,000
14	3,000
12	3,000
13	3,000
14	3,000
15	3,000
Total	41,800

<sup>\*</sup> For Freight Service Projects — <u>car loads</u> or containers per year For Inter-City / Amtrak Passenger Projects — passengers per year For Commuter / VRE Passenger Projects — passengers per year

### Newport News Warehouse D Rail Addition and Modification



Name of Applicant and Project:

### **Rail Enhancement Fund Project Application Checklist** Attachment B

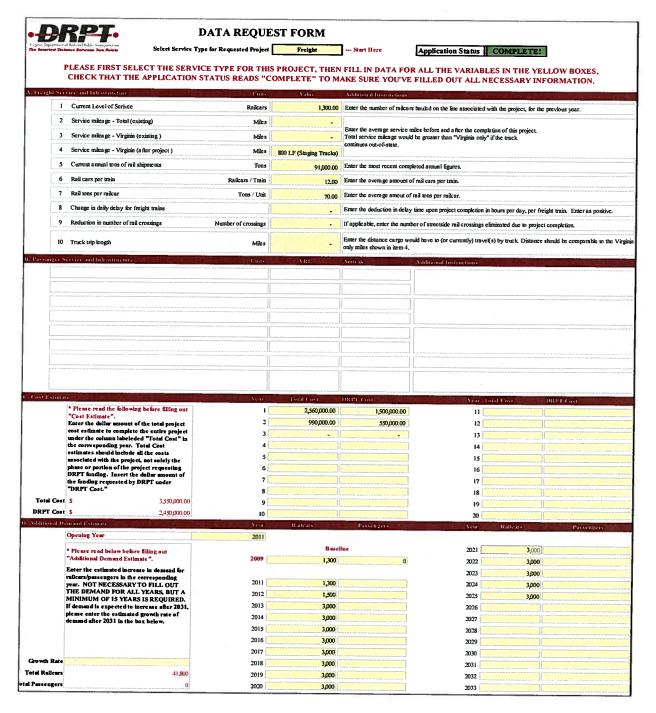
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Date: 12/8/2009

Virginia Port Authority - Newport News Warehouse D Rail Addition and Modification
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Virginia Port Authority - Newport News Warehouse D Rail Addition and Modification	
Checklist for Application	
1. Project is consistent with goals of applicable adopted state, regional and/o local plans.	r
X Yes No	
2. Project is an Additive Investment to Virginia.	
_X_YesNo	
3. Project provides for, or does not preclude, shared or dual access opportunity.	
YesX_No	
4. Applicant has provided documentation and certification of at least a minimum 30% match.	1
X Yes No	
5. Applicant has provided an environmental review plan and/or public involvement plan, if applicable, and required budget for this activity as outlined in Appendix D.	t u
_X_YesNo	
6. Application is complete, including signature and specified number of hard copies and an electronic (pdf file) copy; and Applicant has reviewed the Standard Agreement as provided in Appendix C.	l l
Y Ves No	

### Newport News Warehouse D Rail Addition and Modification



### Newport News Warehouse D Rail Addition and Modification

### **APPENDIX D**

### RAIL ENHANCEMENT FUND SAMPLE BUDGET AND SCHEDULE

Project Schedule

Calendar Year		2010			20	11			20	12	
Quarter	1st	2nd 3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Preliminary (30%) Design			and a second		Name abote to						sate or other
Full Design			T CONTRACTOR OF THE CONTRACTOR		the party of the p						
<b>Construction Advertisement &amp; Award</b>							=				
Construction			LP-C-AVE	REEL							
Project Complete			and the sale	3							

### Detailed Project Budget Summary

Scope	of	Work	
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#### Amount

Preliminary Service, Engineering	
30% Design Engineering	\$125,000
Final Design Engineering	\$125,000
Construction	\$3,200,000
Construction Management	\$100,000

Total Project Budget

\$3,550,000

Funding Cost share	Amount
DRPT Participation (69%)	\$ 2,450,000
VPA Local Match (31%)	\$ 1,100,000

#### Certification of Match

The Virginia Port Authority (VPA) has applied to the Commonwealth of Virginia for Department of Rail and Public Transportation Rail Enhancement Funds in the amount of \$2,450,000 to assist in funding the **Newport News Warehouse D Rail Addition and Modification**. The percentage of Rail Enhancement Funding requested is 69% of the estimated cost to reach \$3,550,000.

As an attachment to the funding application, this document certifies that VPA will provide a 31% funding match in the amount of \$1,100,000 from revenue generated from Virginia International Terminals (VIT) terminal operations (as opposed to Commonwealth Port Funds provided by the Commonwealth of Virginia), which constitutes the remaining balance of the estimated cost.

Kevin P. Abt, P.E.

Chief Engineer

Virginia Port Authority

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# Rail Enhancement Fund Project Application Form Newport News Warehouse D Rail Addition and Modification

### Certification of Additive Investment

This certifies that the Commonwealth of Virginia Rail Enhancement Funds requested in this application will add significant capital improvements to the state's rail infrastructure, and result in public benefits to the Commonwealth that are greater than the actual amount of public funds invested.

Kevin P. Abt, P.E. Chief Engineer

Virginia Port Authority

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# Rail Enhancement Fund Project Application Form Newport News Warehouse D Rail Addition and Modification

## Statement from the Applicant SWAM Participation Goals to be Achieved by the Project

This is to certify that the Virginia Port Authority will work to achieve the Small, Women-owned, and Minority-owned (SWAM) participation goals in the project for which these Rail Enhancement Funds are requested, as directed by Executive Order 33 (2006) from the Governor of the Commonwealth of Virginia.

Kevin P. Abt, P.E.

Chief Engineer

Virginia Port Authority

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# Rail Enhancement Fund Project Application Form Newport News Warehouse D Rail Addition and Modification

## Statement from the Applicant Acknowledgement of Commonwealth Public Interest

This statement from the Virginia Port Authority acknowledges that the Commonwealth of Virginia will have a public interest in the facilities, materials, equipment, and improvements funded or impacted by this project.

Kevin P. Abt, P.E. Chief Engineer

Virginia Port Authority

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